receiving a stream of digits in a sequence according to sequence of key selection from said keyboard, each key of said keyboard outputting upon selection a unique digit representing more than one letters;

matching said stream of digits in sequence against a look-up-table of known words; and

outputting a known word if there is a match from said matching.

22. (New) The device according to claim 21, further including codes for causing said processor to reconstruct a word if no known words stored in the look-up-table matches said stream of digits.

23. (New) The device according to claim 22, further including codes for causing said processor to select a plurality of words based on probability of occurrence.

24. (New) The method according to claim 21, further including the steps of:

retrieving partial matches if there is no match of a known word;

performing affix or suffix analysis on said stream of digits; and

removing affixes suffixes found to reconstruct a known word.

25. (New) The method according to claim 21, further including:

recursively constructing said string of digits to a proper name if there is no match of a known word.

26. (New) The method according to claim 21, further including:

outputting all known words if more than one known word matches said

string of digits; and

choosing one of said matches and use the chosen word in a sentence.

27. (New) The method according to claim 26, further including the steps of:

reconstructing a plurality of words based on probability of occurrence;

choosing words based on proper position; and

editing unknown words to form a sentence.

28. (New) The method according to claim 21, further including:

outputting one of a plurality of known words matched from said look-up-

table based on a higher probability dependant from a preceding word.

29. (New) The device according to claim 21, wherein said look-up-table is a

listing of non-English characters correlated with predetermined digit strings based on

phonetics.

30. (New) The device according to claim 29, wherein said non-English characters

are Chinese.

31. (New) A device for resolving ambiguities in letter entries, comprising:

a processor and associated storage for storing a program executable by said processor;

a database of words addressable against a string of digits; and

a keyboard for outputting said string of digits to said database, said keyboard having a plurality of keys, each of which outputting a digit representing more than one letters, wherein said processor executes said program to cause an output of a word from said database based on said string of digits received from said keyboard.

32. (New) The device according to claim 31, further including a display for displaying said word output from said database.

33. (New) The device according to claim 31, wherein said keyboard has less than twenty-four (24) keys.

34. (New) The device according to claim 31, wherein said keyboard is a QWERTY keyboard.

35. (New) The device according to claim 31, wherein said program includes codes executable by said processor for reconstructing a word if no word in said database matches said string of digits.